

In the specification:

Page 10, amend the paragraph in lines 2-16 as follows:

Figure 1 illustrates a processing device 2 which is formed as a work robot 1. It has a plurality of segments 3, 4, 5, which form a work support and are movable in a known manner around a plurality of horizontal and vertical turning axes 6, 7, 8. At least one of the segments which form the work support carries a horizontal turning axis 9 on its front-side end. A processing head 10 is arranged on the segment 5 turnably about the horizontal turning axis 9. The work robot 1 is fixed at its lower side on a carriage 11 which is arranged displaceably in direction of the arrow 12 on a carriage guide 13. The work robot 1 is provided in a known manner with a computation and control unit ~~43~~14 which primarily performs the control of the different turning axes 6, 7, 8, 9 and the displacement of the work robot 1 along the carriage guide 13. In addition, a measuring system 16 which is formed in accordance with the present invention is associated with the processing head 10 in the region of a work unit 15 which can be formed for example as a drill